FIG.1

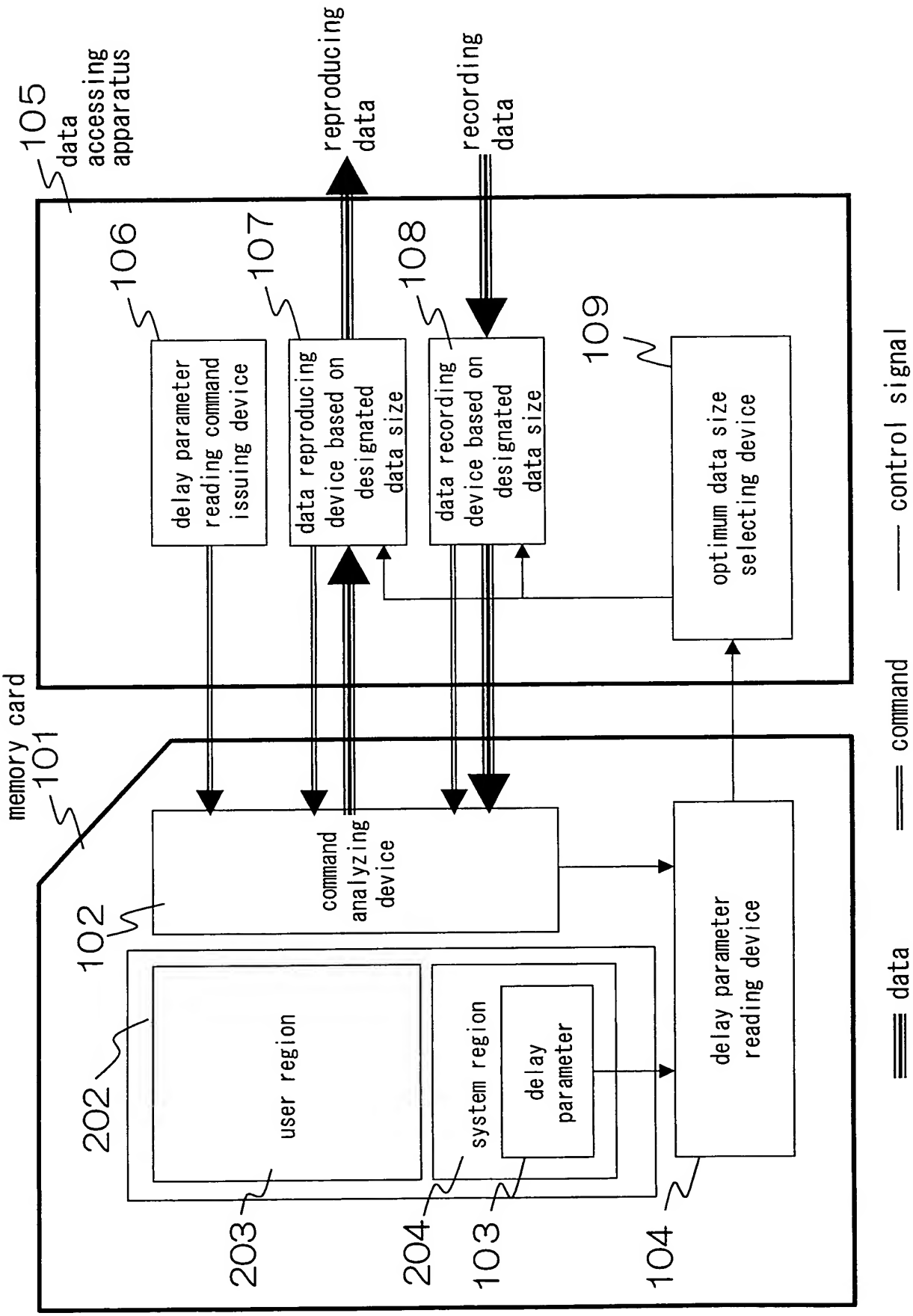

105
data accessing apparatus
reproducing data
recording data
106
107
108
109
delay parameter reading command issuing device
data reproducing device based on designated data size
data recording device based on designated data size
optimum data size selecting device
memory card
101
command analyzing device
102
202
user region
system region
delay parameter
delay parameter reading device
203
204
103
104
data
command
control signal

FIG.2

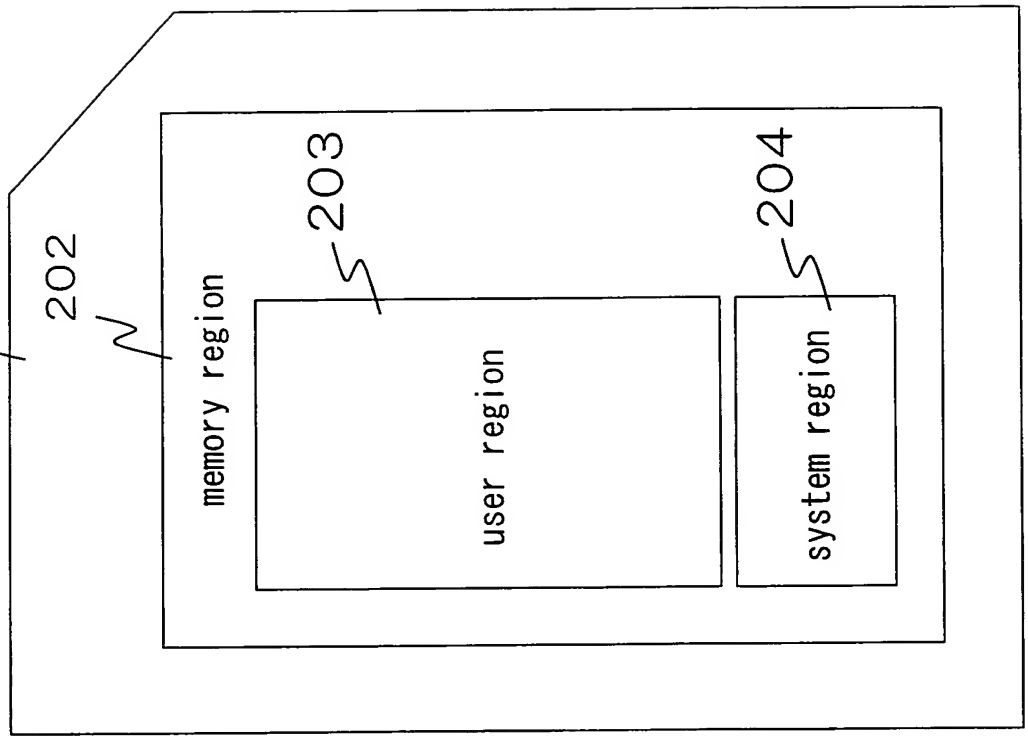

101 memory card
202
memory region
203
user region
204
system region

FIG.3

example of delay parameter

write data size	delay time	average data rate
32KB	32. 0msec	1. 00MByte／sec
64KB	32. 5msec	1. 97MByte／sec
128KB	35. 5msec	3. 61MByte／sec
256KB	48. 5msec	5. 28MByte／sec
512KB	79. 4msec	6. 45Mbyte／sec

FIG.4

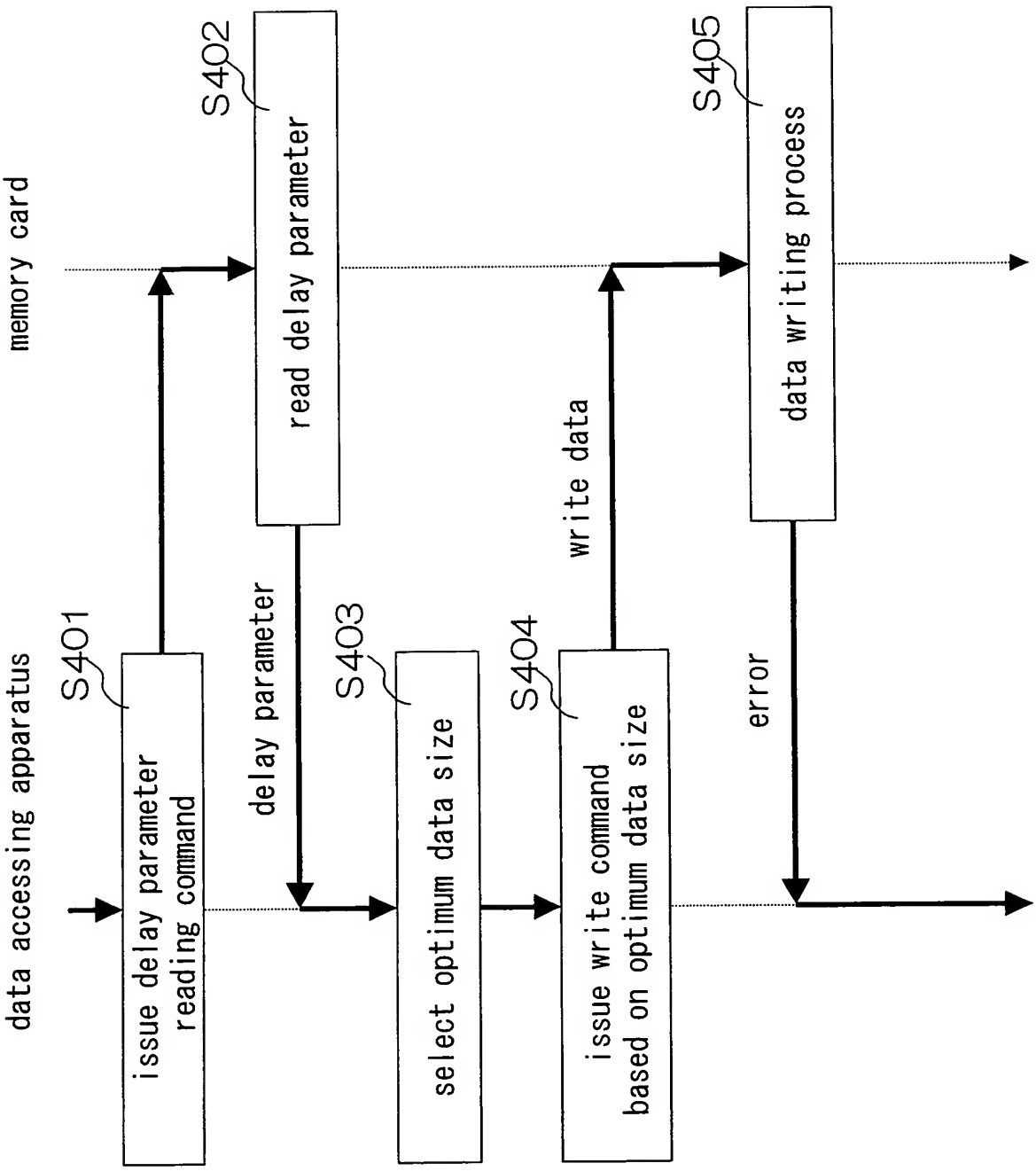

data accessing apparatus
memory card
S401
issue delay parameter reading command
S402
read delay parameter
delay parameter
S403
select optimum data size
S404
issue write command based on optimum data size
write data
S405
data writing process
error

FIG.5

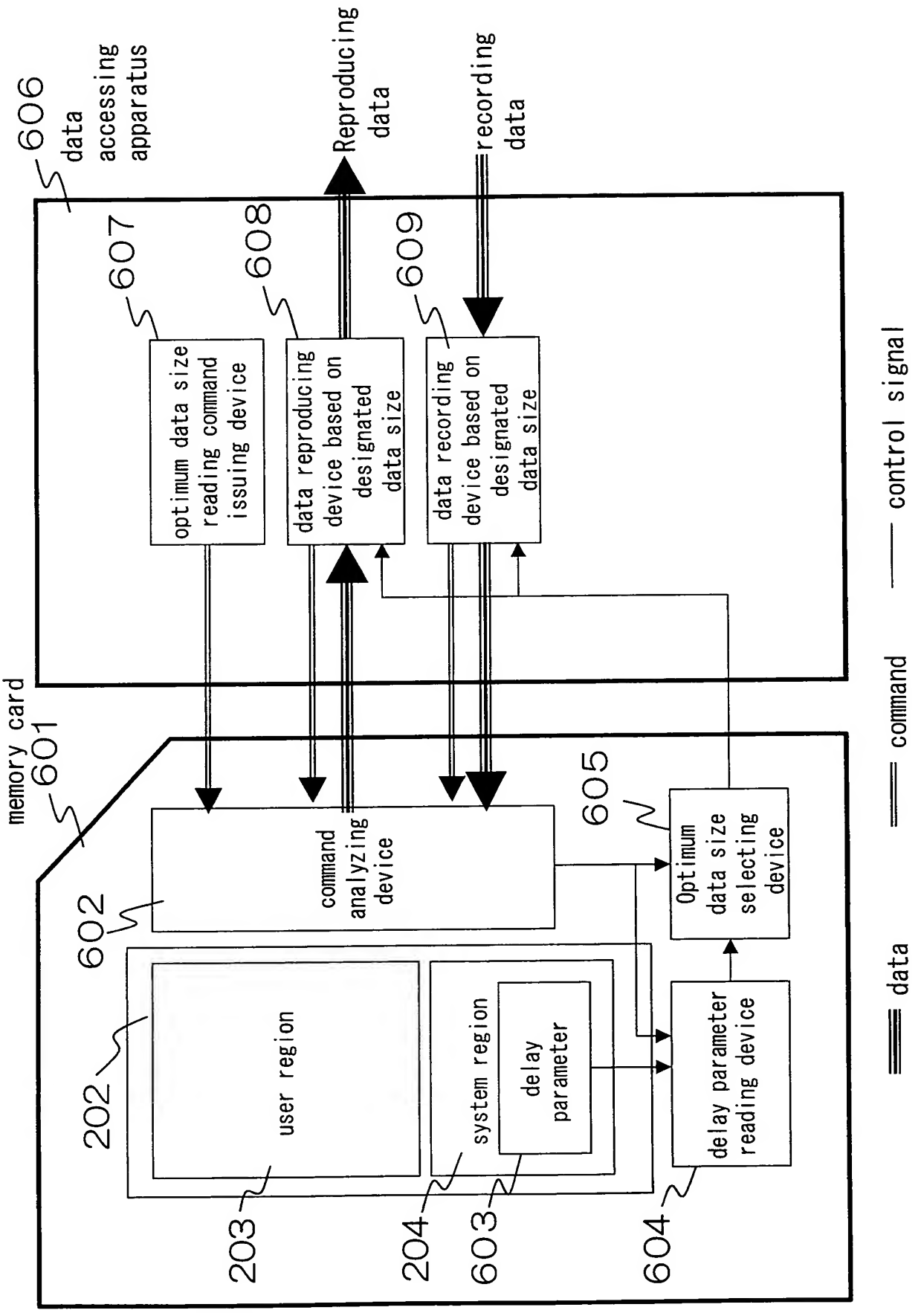

606
data accessing apparatus
Reproducing data
recording data
607
608
609
optimum data size reading command issuing device
data reproducing device based on designated data size
data recording device based on designated data size
memory card
601
602
command analyzing device
605
Optimum data size selecting device
202
user region
system region
delay parameter
delay parameter reading device
203
204
603
604
data
command
control signal

FIG.6

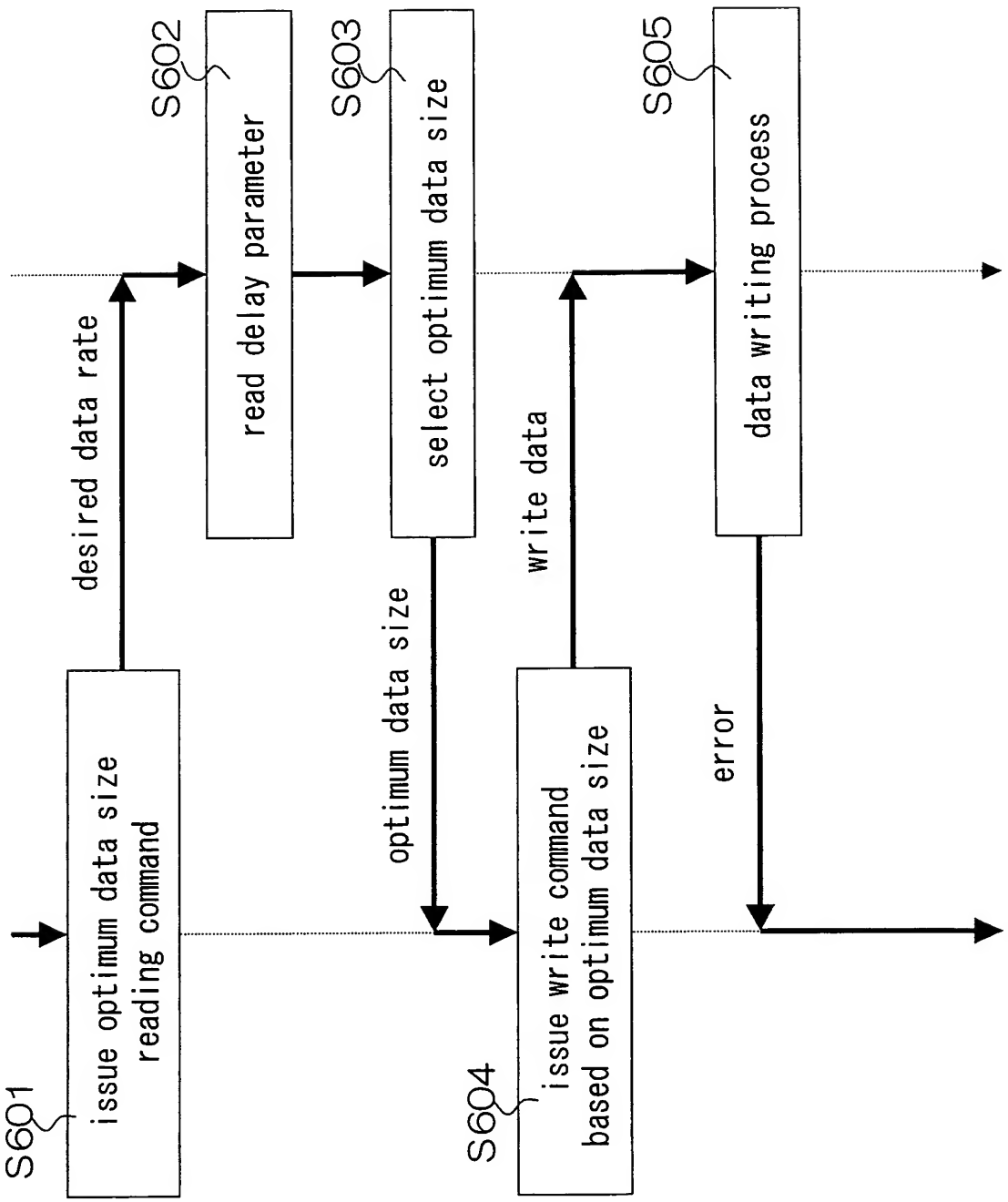
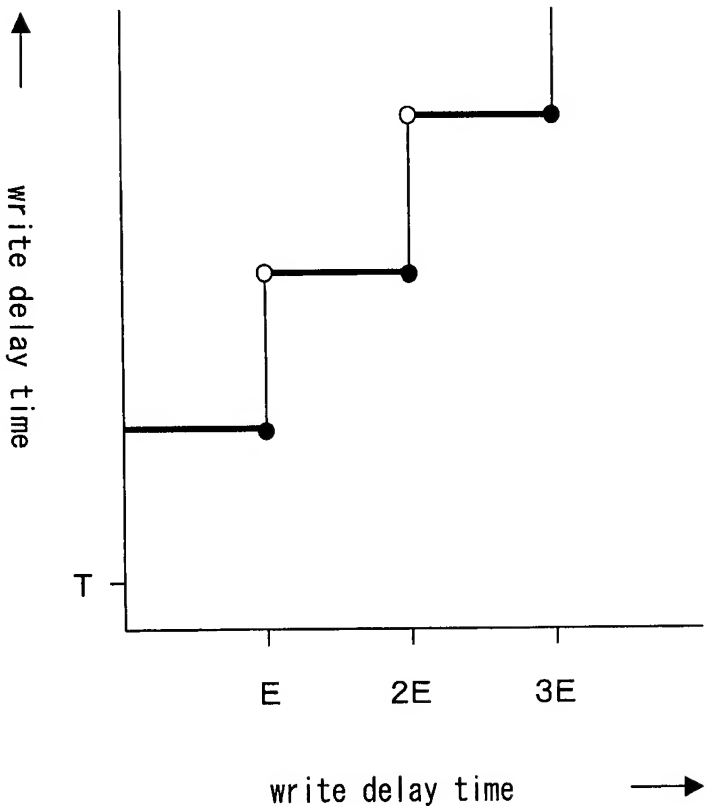
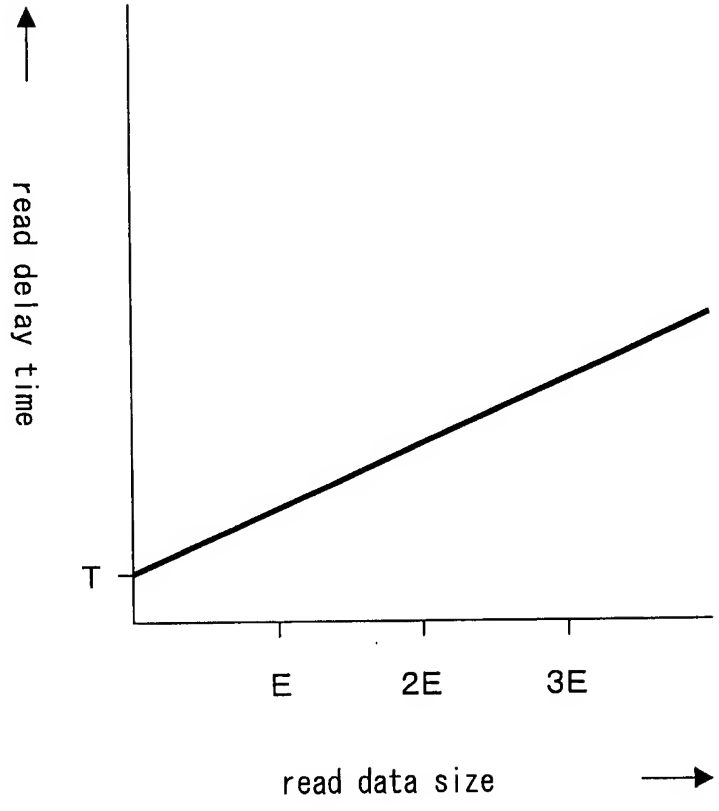

data accessing apparatus
memory card
S601
issue optimum data size reading command
desired data rate
S602
read delay parameter
S603
select optimum data size
optimum data size
S604
issue write command based on optimum data size
write data
S605
data writing process
error

FIG.7A



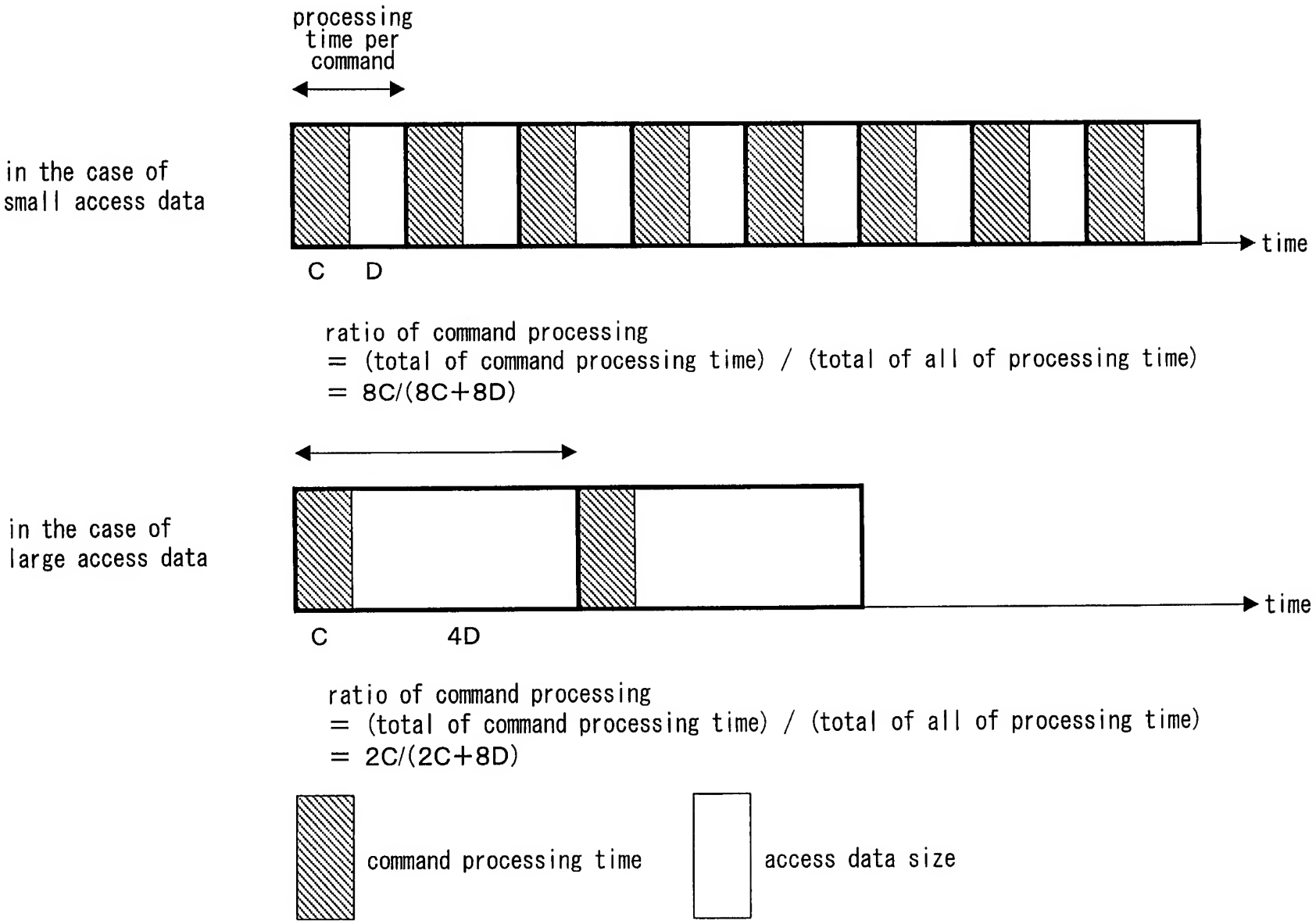
erasing block size = E (byte),
command processing time = T(μ sec)

FIG.7B



erasing block size = E (byte),
command processing time = T(μ sec)

FIG.8


processing time per command
in the case of small access data
time
C
D
ratio of command processing
= (total of command processing time) / (total of all of processing time)
= 8C/(8C+8D)
in the case of large access data
time
C
4D
ratio of command processing
= (total of command processing time) / (total of all of processing time)
= 2C/(2C+8D)
command processing time
access data size